Session Program

12–16 May 2025

Advances in Space AstroParticle Physics (ASAPP2025) - 2nd edition

R&D of novel approaches and instruments

Sant Feliu de Guíxols, Girona (ES)
Punta de Port Salvi, s/n, Carrer de Port Salvi, 14, 17220 Sant Feliu de Guíxols, Girona, Espana

Tuesday 13 May

15:00

R&D of novel approaches and instruments

Session | **Location:** Hotel Eden Roc

15:00–15:25 **MAPS: from vertex detectors to space applications**

Speaker
Suljic, Miljenko

15:25–15:50

First results of the second batch of Space LGADs for AstroParticle Physics (SLAPP-2)

Speaker
Cavazzini, Leo

15:50–16:15

Advancing Monolithic Active Pixel Sensors for Space Applications: Results from the ARCADIA MD3 Demonstrator

Speaker
Ricci, Ester

16:15

16:30

R&D of novel approaches and instruments

Session | **Location:** Hotel Eden Roc

16:30–16:55

Flexible and Low-Material-Budget Packaging for Particle Detectors in Space

Speaker
Novel, David

16:55–17:20

The Pentadimensional Tracking Space Detector, R&D for spaceborne LGAD Si-microstrip trackers

Speaker
Duranti, Matteo

17:20–17:45 **High-Efficiency WLS Plastic for a Compact Cherenkov Detector**

Speaker
Nozzoli, Francesco

17:45–18:10

A SiPM-based RICH detector with timing capabilities for ion identification

Speaker
Mazziotta, Nicola

18:10

Friday 16 May

09:00

R&D of novel approaches and instruments

Session | **Location:** Hotel Eden Roc

09:00–09:25

A-STEP, the AstroPix Sounding rocked Technology dEmonstrator Payload: Multi-detector performance

Speaker
Laviron, Adrien

09:25–09:50

R&D on Plasma-Etched Gas Electron Multipliers for X-ray Polarimetry in Space

Speaker
Lega, Alessandro

09:50–10:15

X-POT: X-ray Polarimetry with Optical Time projection chamber

Speaker
Fiorina, Davide

10:15–10:40

IXPE Gas Pixel Detector test and characterization with the X-ray Calibration Facility

Speaker
Mr Tugliani, Stefano

10:40

11:00

R&D of novel approaches and instruments

Session | **Location:** Hotel Eden Roc

11:00–11:25

The EPSI R&D: Development of an innovative electron-positron discrimination technique for space application

Speaker
Berti, Eugenio

11:25–11:50

FIT: a scintillating-fiber tracker for new-generation space-borne experiments

Speaker
Dr Perrina, Chiara

11:50–12:15

Onboard machine learning for high-energy observatories for spacecraft autonomy and ground segment operations

Speaker
Mr Castaldini, Luca

12:15–12:40

Advanced Tracking Analysis in Space Experiments with Graph Neural Networks

Speaker
Cuna, Federica

12:40–13:05

Machine Learning techniques for Cosmic Rays Physics analysis and simulations

Speaker
Tabarroni, Luca

13:05–13:30

Unsupervised machine learning techniques for the selection of cosmic-ray electrons and positrons in Fermi-LAT data

Speaker
Cibrario, Nicolo'

13:30